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International Relations Research Institute
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COUNTRY THREAT FILE (CTF):
CODEBOOK AND INSTRUCTIONS
TR&A Technical Report #36
Threat Recognition and Analysis Project

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### UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (Phon Date Entered) READ INSTRUCTIONS REPORT DOCUMENTATION PAGE BEFORE COMPLETING FORM REPORT NUMBER 2. GOVT ACCESSION NO. 3. RECIPIENT'S CATALOG NUMBER TR&A Technical Report #36 S. TYPE OF REPORT & PERIOD COVERED 4. TITE (and Submite) 7-1-75 to 9-30-76 Technical Report COUNTRY THREAT FILE (CTF): CODEBOOK AND INSTRUCTIONS. S. PERFORMING ORG, REPORT NUMBER #36 AUTHORES CONTRACT OR GRANT NUMBER(#) ARPA #2518 N00014\_C-0137 ~ Charles A./McClelland PERFORMING ORGANIZATION NAME AND ADDRESS Department of International Relations University of Southern California NR-178-773 University Park, Los Angeles, CA. 90007 CONTROLLING OFFICE NAME AND ADDRESS Organizational Effectiveness Research Sep **m** 1976 Office of Naval Research (Code 452) HUMBER OF PAGES 800 N. Quincy St., Arlington, VA. 22217 4. MONITORING AGENCY HAME & ADDRESSIL Allerent from Controlling Office) 18. SECURITY CLASE, (of this report) Office of Naval Research UNCLASSIFIED 1030 East Green Street Pasadena, California 91106 DECLASSIFICATION/QOWNGRADING DISTRIBUTION STATEMENT (of this Technical rept. 1 Jul 75-30 Sep 76 "Approved for public release; distribution unlimited." 17. DISTRIBUTION STATEMENT (of the obstract entered in Block 20, if different from Report) "Approved for public release; distribution unlimited." IS SUPPLEMENTARY NOQQ14-76-C-0137, MARPA Order-2518 Threat, Threat recognition, nation attributes, world survey, national characteristics, vital concerns, current information ABSTRACT (Continue on reverse side if necessary and identify by block number) The purpose, the organization, the user instructions, and the source documentation of a "computerized almanac" are delineated. The Country Threat File is a compact and consolidated package of current information featuring recent evaluations of the threat, stress, and tension conditions prevailing in each country of the world. Computerization presents quick access to wanted information.

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COUNTRY THREAT FILE (CTF): CODEBOOK AND INSTRUCTIONS

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The Country Threat File (called CTF, in brief) resembles an almanac that has been computerized. It contains information on 155 countries. The information is categorized within five sections and is organized to expedite computer searching for combinations of material. The machine does the reading: given a problem, it finds the answers and prints them according to directions given by the user. Generally, there are two forms of problems that the CTF can handle: (1) It can display items of information about requested named countries or (2) it can be given certain facts and then be asked to display the names of countries that fit with the selected facts. For example, a few computer instructions will cause the scanning and listing of the names of the finance ministers of all the African countries. This is the first type of use. The second type might be a search to find Gross National Product per capita under \$500 and with military expenditures that are 1% or more of the GNP.

The Country Threat File was not devised and brought up to an operational condition to serve as a generalized reference source about the countries of the world, however. As its name implies, the CTF has the main purpose of providing current and succinct data on the "threat burdens" being carried by each of the countries. Indicators are being and improved at present for monitoring charting circumstances of tension, stress, danger, disturbance, upheaval, dislocation, disruption, and threat in world Some of these "burdens" are strictly domestic in politics. nature while others are international or even transnational. Some are afflictions that are of short duration and passing others are chronic and deep-seated. Japan, for example, is certain to be sensitive about the possibility of interference or stoppage in the matter of obtaining a steady inflow of raw materials and energy resources but what we mean by a "threat burden" would arise if something happens or is thought to be about to happen that would reduce or cut off the shipping of petroleum from the Persian Gulf area.

The CTF exists in its present prototype form to demonstrate how the current information about threat burdens, their rise and fall, and their possible

relationship with other nation attributes, relations, and security factors can be assembled and made quickly available request. As various kinds of worldwatching and monitoring of conditions on the globe are introduced, developed, the vast data produced will need and improved, reducing and digesting to usable forms for particular purposes. The CTF is conceived to be such a data in-gathering, reducing, and integrating device. The kind and degree of threat burden is theorized to have a great deal to do with how a country can be expected to act and respond in international politics. Thus, the CTF is thought of as a supporting resource for both the study and practice of foreign policy.

Like an almanac, the Country Threat File needs frequent new editions. In the development of the prototype we are describing, five complete updates already have been made at the time of this writing. It is thought that the listing of information for all 155 countries should be gone over from the beginning to the end every three months. Thus, there would be four editions a year prepared. In addition to the beginning-to-end review, daily changes in details should be made. New heads of state and government leadership changes should be registered in the file as soon as the news about them becomes available. Threat assessment revisions also are expected to be frequent. The current listings of threat items in the affairs of the countries are demonstration data the main. To the extent possible with limited resources and without any regularized input from monitoring systems, we have attempted to show, with as much realism as we could the kinds of items that should be on a current list. The importance of constant revision and updating is emphasized by the country identification code line that appears in every computer printout. That code line called COD, to conform to the three letter naming of everything in the system, includes information on the last update made for the given country: 220 FRANCE FRM 676 means June 1976 revision for FRANCE also know equivalently by two code names, FRN and 220.

The foregoing description of the general character and the main purpose of CTF gives sufficient information, perhaps, to orient the reader to the flexible and still-experimental nature of the file-building and data retrieval. The codebook details that follow show the current organization of the file. That organization should stand as is for a while since numbers of additions and improvements can be incorporated without changing the framework. The goal has been to include a substantial amount of information in a small space. At the moment, the complete entry for a country

is not allowed to exceed 55 lines with no more than 70 characters on a line. The file should remain limited in size; one objective not reached at this time is to use CTF mini-computers with time-sharing multi-display. instructions and some of the organizational detail to follow are specific to IBM big computer systems; the program code the programs and data files are on an IBM 370/158 PLI, with TSO. All data entering and editing are done with normal TSO edit, using the "DATA" type file with all upper case The "TEXT" alternative with upper and lower case printing was used at first but abandoned in consideration of that arise when alternative search complications requests have to be considered: France and FRANCE are not the same to the computer. Pretty printing in upper and lower case could be accomplished and the problem mentioned above could be overcome; we have not taken the trouble to arrange that at this time. The file organization, including the main sections and all the keyword identifications, now is described, item by item. We begin with a display of the complete entry for one country:

```
COD:482 CENTRAL AFRICAN REPUBLIC CEN
HST: PRS MAR J.B. BOKASSA; HST: PM E. DOMITIEN;
FOR:A. FRANCK; FIN:M-C. GBOKO; DEF:MAR J.B. BOKASSA;
INT: T.B. LAMINE;
ARE:000,242,000; POP:001,750,000; GNP:000,000,302,000,000;
PPC:00173;
BOR: CHA; BOR: SUD; BOR: CON; BOR: COP; BOR: CAO;
ORG:AFDB; ORG:CONFERENCE OF EAST AND CENTRAL AFRICAN STATES;
ORG: EAMA; ORG: ECA; ORG: FAO; ORG: GATT; ORG: IBRD; ORG: ICAO;
ORG: IDA; ORG: ILO; ORG: IMF; ORG: ITU; ORG: OAU; ORG: OCAM;
ORG: SEABEDS COMMITTEE; ORG: UDEAC; ORG: UNO; ORG: UNESCO;
ORG: UPU; ORG: WCL; ORG: WHO; ORG: WMO; @
AGR:12 AFRICAN COUNTRIES "AFRICAN SOLIDARITY FUND",
EUROPEAN DEVELOPMENT FUND AID, USA DROUGHT VICTIMS,
FRN AGRICULTURAL AND ANIMAL RAISING PROJECTS;
TRD: *DIAMONDS 41%, *COTTON 22%, *COFFEE 22%, *PARTMERS EEC 58%, FRN 42%, USA 15%, ISE 7%, ITA 7%, *MACHINERY 19%,
#MOTOR VEHICLES 16%, #COTTON TEXTILES 19%, #PARTMERS
EEC 75%, FRN 54%, GMW 11%, COP 4%;
ECO: #USA $8.3M, #EEC $6.4M, #IDA $3.9M, #UNO $1.2M,
#FRN, #EUROPEAN DEVELOPMENT FUND;
BALANCE OF TRADE: -$1.33M;
DEF: #FRN;
TRN: #FRN;
T+B:#FRN;
MIL: #FRN;
ARM: #USR $1M, #FRN $2M;@
TAF:000,003,000; FPP:00.17; DEX:000,007,000,000; M%G:02.34;@
```

VO1: RE-EVALUATING THE POLICY OF DETENTE WITH SAF IN THE WAKE OF THE VICTORY OF THE MPLA IN ANG; @

The computer recognizes 46 three letter code words in a country entry. Further, the machine "knows" that these 46 are distributed in five groupings. Units of information are read between colon and semicolon. Thus, the form for recording the population of a country is POP:000,000,000; The price that is paid for the condensation of the information and the use of short code names is that the user must become familiar with the meanings of the symbols for the 46 codes and the 5 "sections." To provide a convenience here, we have compiled two lists on a one page look-up table. On the left are the 5 section names and below each, the code words. On the right is an alphabetical list of the three letter codes and brief descriptions followed at the end by the section abbreviations.

The five sections are COD meaning simply the code identifications for the countries, BAS meaning "basic information" and main country attributes, EXC meaning exchange and transactions, SEC meaning security, and includes some information on resources and military status, and THR meaning threat, items of stress, focus of national attention on main problems or, in general, vital concerns.

## COUNTRY THREAT CODES

Section name:	COD	Alpha	code name, description, and section (D:
COD Section name:	846	AGR	Agreements recently reached with other countries with names and codes given sometimes (EXC)
HST CPS	DAS	ARE	Area of country in square miles: 000,000,000 (BAS)
FIN FOR INT		ARM	Arms sales/exchanges, country code, direction and amount (EXC)
DEF ARE POP		BOR	Bordering countries, country code names (BAS)
GNP PPC BOR		CPS	Communist party secretary, name given (BAS)
ORG		COD	Country name, WEIS alpha and numeric code names, time of last update as month, year (1.e., 676) (COD)
Section name:	EXC	DEF	Defense minister, name given (BAS)
AGR TRD ECO		DEF	Defense pacts, formal arrangements, name of countries as parties and pact name (EXC)
DEF TRN T+B MIL		DEX	Defense expenditures, given in USA\$ equivalents: 000,000,000,000 (SEC)
ARM		ECO	Economic ald and assistance, country code names, amounts, and direction (EXC)
Section name:	SEC	FIN	Finance minister, name given (BAS)
RES TAF		FOR	Foreign minister, name given (BAS)
FPP DEX M\$G		FPP	Total armed forces as percent of population; given in percent 00.00 (SEC)
Section name:	THR	GNP	Gross national product in \$ equivalents: given as 000,000,000,000,000 (BAS)
V02 V03 V04		HST	Head of State, premier, president, etc., name given (BAS)
V05		INT	interior minister, name given (BAS)
to V20		M2G	Military expenditures given as percent of Gross National Product: 00.00 (SEC)
		MIL	Military aid and assistance, country code names, amount, and direction (EXC)
		ORG	international organization membership code names of organizations (BAS)
		POP	(BAS)
		PPC	Gross National Product per capita in \$ equivalents: 00000 (BAS)
		RES	Resources; basic products, minerals, rank (SEC)
		T+B	Troops and bases abroad or host to; direction is indicated; country code names (EXC)
		TAF	Total armed forces; numbers of personnel: 000,000,000 (SEC)
		TRO	Trade; products, percent, country code names and direction (EXC)
		TRN	Troop training; country code, number, direction (EXC)
		V0x	Vital concerns listed up to 20 as V01 V02 etc. (THR)

Most of the information following the code words is easy to interpret. The brief descriptions shown on the COUNTRY THREAT CODES sheet suffice for identifying most of the data. There are a few exceptions, however, and these are discussed next. In the BAS (Basic Information) section, BOR and ORG make use of abbreviations and codes. The countries on the borders are listed by the three letter names shown in the COD line. The ORG names are acronyms and abbreviations for international organizations. An identification table of organizations is included in this write-up.

In the EXC (Exchange and transactions) section, there are some special symbols that must be understood to read the information correctly. In the TRD, TRN, T+B, ECO, MIL, and ARI: sub-sections, an asterisk (\*) before a name indicates that the country is exporting, sending out, or giving or that a product or service is being furnished, given, or The asterisk generally means "out-go." The opposite circumstance is indicated by the number sign (#). It signifies, generally, "in-take." Included are importing, receiving aid from, acting as host or recipient. In the TRD sub-section, the :percentage shows the proportion of the for the product or resource. Trading partners are indicated and conditions are defined for them in \*, #, and % terms also. A few examples make understandable the notation followed in the EXC and SEC sections. An interpretation in words is given for each of the following examples:

COD:450 LIBERIA LBR 676
TRD:\*IRON ORE 75%, \*RUBBER 12%, \*PARTMERS USA 21%, ITA 18%,
NTH 14%, JAP 8%, BEL-LUX 6%, FRM 5%, #FOOD AND LIVESTOCK 16%
#PARTMERS USA 30%, GMH 12%, UNK 9%, JAP 8%, NTH 5%, SAU 5%;
ECO:#UGA, #EEC, #WORLD BANK, #GMW, \*UGA, #DME 11.9M;
MIL:#USA \$.4M;
ARM:#USA \$1M;

Converted to sentences, the foregoing reads, 75% of Liberia's exports is iron ore and rubber makes up a further 12%. The United States is Liberia's chief export market with 21% of the total exports, then followed by Italy, taking 18% of Liberia's trade, West Germany (17%), the Netherlands (14%; Japan (8%; and Belgium and Luxembourg (6%; and France (5%). Liberia's main imports are food and livestock making up 16% of the total import trade. The United States is Liberia's chief supplier with 30% of Liberian imports. Other suppliers from abroad are West Germany (12%), Great Britain (9%; Japan (8%), the Netherlands (5%), and Saudi Arabia (5%). Liberia receives foreign assistance from Uganda

but also extends foreign aid to Uganda. Other sources of Liberian foreign aid are the European Community, the World Bank, and West Germany. DME stands for Developed Market Economies, and CPE stands for Centrally Planned Economies of which both are cumulative figures under the sub-section ECO. Military assistance comes from the United States in the amount of \$400,00. The USA also sold a million dollars worth of arms to Liberia last year.

COD:315 CZECHOSLOVAKIA CZE 676
TRD:\*MACHIMERY & TRANSPORT EQUIPMENT 34%, \*MAMUFACTURED
ARTICLES 12%, \*PARTMERS USR 32%, GMW 11%, POL 8%,
#MACHINERY & TRANSPORT EQUIPMENT 34%, #BASIC
MANUFACTURES 15%, #CRUDE MATERIALS EXCEPT FUEL 13%,
#FOOD & LIVE ANIMALS 11%, #PARTMERS USR 34%, GME 12%;
ECO:\*\$303M;
BALANCE OF TRADE:-\$.471B;
T+B:#USR 80,000 TROOPS;
MIL:#USR:

English, the foregoing says, thirty four percent of exports are machinery and transport Czechoslovakia's equipment. Second in exports are manufactured articles (12%). Thirty four percent of Czechoslovakian imports also are machinery and transport equipment. The Soviet Union is Czechoslovakia's chief customer abroad, receiving 32% of the Czech exports. West Germany (11%) and Poland (8% are other important export customers. Czechoslovakia does 15% of its in basic manufactures and also imports crude (13%) animals(11%). materials and food and live Czechoslovakia's main suppliers are the Soviet Union (34%) and East Germany (12%). Czechoslovakia extended \$303 million in foreign aid in the period. The Soviet Union has 80,000 troops in Czechoslovakia and supplies military aid.

A similar procedure is used in the SEC section for RES (resources). Here are a few examples of how to read the items in RES:

COD:220 FRANCE FRN 676
RES:4 URANIUM 8%, 6 BAUXITE 5% (GMW 57%, UNK 28%, ITA 11%),
7 IRON ORE(BEL-LUX 73%, GMW 27%), 6 NUCLEAR CAPACITY 3.9%,
5 RUBBER SYNTHETIC 7%, 7 SUGAR 4%, 6 MEAT 2%;

If a country is one of the top ten world producers of a

specific resource then it will appear in the COUNTRY THREAT FILE. In other words, France ranks 5th in world production of uranium and produces 8% of the world's total yearly production of uranium. France also ranks 6th in world production of bauxite and produces 5% of the world's total yearly production of bauxite. Of the 5% of the world's total bauxite production 57% is exported to West Germany, 23% to the United Kingdom, and 11% to Italy. France ranks 7th in the world production of iron ore of which they export 73% of total to Belgium and Luxembourg and 27% West Germany. France ranks 6th in nuclear capacity and 5th in synthetic rubber and produces 7% of the world's total yearly production of synthetic rubber. France ranks 7th in world production of sugar and produces 4% of the world's total yearly production of sugar. Lastly, France ranks 6th in world production of meat and produces 2% of the world's total yearly production.

COD:490 ZAIRE COP 576
RES:6 COPPER 78, 7 TIM CONCENTRATE 37% (BEL-LUX 62%, NTH 22%, SPN 15%), 3 ZIMC ORE 2.4% (BEL-LUX 86%, FRM 8%), 9 MANGANESE ORE (USA 35%, BEL-LUX 29%, NOR 20%), 9 RUBBER 1%;

The foregoing says, Zaire is the world's 6th ranked producer of copper and its yearly production of copper amounts to 7% of the world's total yearly production. Zaire is 7th in its production of tin concentrates and produces 37% of the world's total yearly supply exporting 62% to Belgium and Luxembourg, 22% to the Netherlands, and 15% to Spain. Ranking 8th in zinc cre, Zaire produces 2.4% of the world's yearly production and exports 86% to Belgium and Luxembourg, and 8% to France. In manganere ore, Zaire ranks 9th in world production. They export 36% to the United States, 29% to Belgium and Luxembourg, and 20% to Norway. Lastly, Zaire is the world's 9th ranked producer of rubber and its yearly production of rubber amounts to 1% of the world's total yearly production.

The abbreviations, code names, and notations will become familiar after a little practice in the use of the retrieval procedures. Before turning to the matter of how to get wanted combinations of information from CTF, we should note the few technical requirements for editing and adding to the CTF data:

1. No more than 55 lines can be used in the entry for a country. Fewer lines than 55 are accepted by the program.

- 2. No more than 70 spaces on a line can be used.
- 3. Every complete record for a country must be separated from the next by one blank line (not more than one, however).
- 4. The information unit is bounded by the colon and semicolon. Further, each section (BAS, EXC, SEC, and THR) must be concluded with an @ sign. If there is no information in a section, an @ must be included anyway to mark the end of where information would have gone had there been any.
- 5. Always use the TSO edit "DATA" type and not "TEXT". The organization of the CTF data set should be fixed blocked, logical record length of 80, and blocksize of 1680 (FB, 80, 1680).

Using VCSCAN: the retrieving of selected information. The instructions given here are for "batch processing" and the use of punch cards is assumed. An online, interactive version of the VCSCAN program exists, also. These JCL (Job Control Language) cards provide the means of calling up the retrieval program and pointing it to the CTF data set (once the latter has been copied from tape to a disk data set):

// EXEC VCSCAN\$,DSN='TSOU001.SCAN1.DATA'
//SYSIN DD \*

Following the JCL, one enters a few commands in this sequence. First comes the instruction to the machine on what is to be printed. For a first example, let us say we need the names of the finance ministers of China, South Korea, Japan, the Philippines, and Thailand. To order the printing of these names with the country In included, punch a card at column 1 that says simply:

FIN

This will result in the information appearing on a printout.

The first thing to concentrate on in running a VCSCAN job is what to order printed. If you want a whole section (such as the complete threat list), include THR on the card. Any sub-section code name can be specified, alone, and

without reference to the main section name. For instance, for the above named list of countries, we could order the printing of the finance ministers' names, the #1 threat item and the per capital Gross National Product for each:

FIN VOL PPC

When it has been decided what printing is wanted, the instruction is given for the actual selection, in the example, the country names wanted. Cards showing the main section name and the sub-section name are made as follows:

COD COD:710 COD COD:732 COD COD:740 COD COD:840 COD COD:860

The work is finally ordered done with a card:

SCAN

The whole procedure, then, is:

// EXEC VCSCAMO, DSN='TSOUDD1.SCAMI.DATA'
//SYSIU DD \*
FIN
COD COD:710 | COD:732 | COD:740 | COD:840 | COD:800
SCAM

Some additional illustrations of how to write the PRINT and SELECT commands now follow:

PROBLEM: Print out the full record(all sections) for Canada and Cuba.

PRINT Command:

SELECT Command: COD COD:020 | COD:040 SCAN PROBLEM: Print out just the security section(SEC) for Japan using the word, JAPAN as ID.

PRINT Command: SEC

SELECT Command: COD 'JAPAN' SCAN

Notice how the "literal" is used in the SELECT command. Simply name the section you want to have scanned for a symbol or several symbols. More examples are given later.

PROBLEM: List the head of state and the foreign minister for BRA(BRAZIL), ARG(ARGENTIMA\*, CHL(CHILE), and PER(PERU\*.

PRINT Command: HST FOR

SELECT Command:
COD 'BRA' | 'APG' | 'CHL' | 'PER'
SCAN

summarize on searches for information on countries, the To printing instructions allow a choice among (1) ALL meaning the sections for a country are listed, (2) BAS EXC SFC THR meaning that the main section or sections asked for are printed and (3) the name(s) of sub-sections, any of the list such as POP DEX VOS ECO. In the PRINT command, main section and sub-sections are not coupled as they are in the SELECT command. No "and" or "or" connectors are given. The SELECT command has two main forms for calling out data on named countries. The first calls for the main section (COD) and the sub-section (also COD), a semicolon, and the numerical country code (i.e. COD COD:660). This asks for Lebanon data. Note that no space appears between COD:660. There are two ways to ask for listings for several countries. The first is:

COD COD:002 COD COD:020 COD COD:040 COD COD:070

という まかかけいま

The second uses the "or" sign and puts all the requests on a line(card):

COD COD:002 | COD:020 | COD:040 | COD:070

The second main form uses the "literal":

COD 'USA'
COD 'CAMADA'
COD 'CUBA'
COD 'MEXICO'

COD 'USA' | 'CAN' | 'CUBA' | 'MEX'

"country look-up" procedure described above is useful for fact-finding, generally, as one would use an almanac. The other mode of operation is a little more difficult to think through but it produces more interesting results. Here we direct queries to the CTF system about which countries fit in groups or share characteristics. A simple example of what we shall call the "zero select" method is the question, which of the 155 countries have a GNP per capita under \$100? This condition is what the SELECT command will ferret out. On the PRINT command we do not need to call for COD since it will always appear. Thus, the PRIMT command might just call for the population of the country. Since we are selecting on the GNP/cap we might as well see the numbers are for the very poor countries. We shall find which are the poorest countries among other things. Hence the

PRIMT Command is: POP PPC

SELECT Command is: BAS PPC:000 SCAN

The selection principle is that the scan will look in the basic section and the GNP per capita sub-section and pick all the countries where there are three zeros appearing immediately after the semicolon. There are five places for all PPC numbers(five are needed; Kuwait has a per capita figure of 10060 or \$10,060). It will be seen that if the first three numbers are zeros, the last two will indicate numbers between 01 and 99. This is the way to use the zero select to find ranges for amounts of less than \$100 GMP per capita.

PROBLEM: Which countries have a GNP between

1 and 2 billion dollars per year and spend less on defense than \$10 million a year? We want to see the population, the per capita GNP, the defense expediture amounts, and also the total number in armed forces:

PRINT Command: POP PPC DEX TAF

The SELECT command now requires the use of another feature. We want the selection of countries to meet two conditions: GNP between 1 and 2 billion dollars and defense expenditures less than 10 million. Notice these are in two different sections: GNP is in BAS and DEX is in SEC. Here is the SELECT notation for this situation:

BAS GNP:000,001 (GNP has five sets of 3 zeros 000,000,000,000; selecting five zeros and 1 will pick numbers of a billion to 1 billion 000 million and will reject all others)

SEC DEX:000,00 (DEX has four sets of 3 zeros 000,000,000,000; selecting five zeros will allow numbers up to 9,999,009 and hence will be below 10 million)

COMPOUND BAS & SEC SCAN

Compound is used when the problem calls for selections that meet more than single conditions ("Boolean and") and when the called-for sub-sections are in different main sections. Note that "compound" joins the main sections (RAS and SEC). When the search for criteria does not carry outside one main section, the Compound command is not used.

PROBLEM: Which countries are the smallest? Let us define smallest: which countries have areas less than 1000 square miles and populations of less than a million.

PRINT Command: ARE POP

SELECT Command: BAS ARE:000,000, & POP:000 SCAN

Note the use of the ampersand(&). It tells the machine to keep only the records that meet both conditions. Use of the "or" symbol (|) in effect tells the computer, pick this one, or pick this one, or pick this one, and keep all that fit any of the requirements. Thus, a population search in the SELECT command could be:

BAS POP: 1 | POP: 2 | POP: 3 | POP: 4 to 6

It would find all countries above 100 million and less than 700 million. It would :miss China on the high side (953 million). Which countries should be on the list?

The availability of the and-or logic for controlling the scanning, along with the control over the numbers by zero select and its variations opens up queries in many combinations. The user can explore the principles shown in the foregoing problems and find many relationships within and among country groups. As the CTF is developed, more opportunities can be built into the system. It remains to show how the "literals" add further power to the searches. Here is a problem with some uncertain features. For a first pass at the question, however, we might consider the "threat burdens" of the countries and wonder if "terrorism" and "inflation" co-occur very often in the Threat lists. Are there many countries doubly-affected this way? The commands could be done this way:

PRIMT Command: V01 TAF

SELECT Command: THR 'TERRORISM' & 'INFLATION' SCAN

Further investigations might be directed to the CTF, once this country list is in hand. Literals could be combined with sub-section zero select, including the COMPOUND use.

PRINT Command: V01 TAF

SELECT Command:
EXC 'BALANCE OF TRADE:-'
SEC DEX:00
COMPOUND EXC & SEC
SCAM

Unless the Country Threat File is kept under constant development and change, it will not hold interest and importance beyond the stage of casual exploration and look-up exercises. As was pointed out at the beginning of this discussion, the CTF is designed to receive the analytic output of the dangers files procedures. This operation depends, of course, on the keeping of current threat appraisals and on maintaining data on the threat burdens of the nations.

The remainder of this report is devoted to the documentation of the Country Threat File. The references given apply only to the update for the summer of 1976. Previous editions used different sources in some instances. Future versions will be based on other sets of sources which will be identified in later codebooks.

The alpha a numeric ID's found in the COD section (i.e., 020 CAN) are a modified list adapted from the Russet-Singer-Small and Brams designations of country codes (Steven J. Brams, "Transaction Flows in the International System," American Political Science Review, 60 (December 1966), 880-898, p. 890 and Bruce M. Russet, J. David Singer, and Melvin Small, "National Political Units in the Twentieth Century: A Standardized List," American Political Science Review, 62 (September 1968), 932-51.

The sources used for obtaining information for the four sections are as follows:

HST:ALMANAC OF CURRENT WORLD LEADERS, Pasadena, California: 1976.

Central Intelligence Agency. CHIEFS OF STATE AND CABINET MEMBERS OF FOREIGN GOVERNMENTS, July 1976.

KEESING'S CONTEMPORARY ARCHIVES, Keesing's Publications (Longman Group Ltd.), 1976.

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GNP:NATIONAL BASIC INTELLIGENCE FACTBOOK
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PPC:NATIONAL BASIC INTELLIGENCE FACTBOOK

Computed from available statistics.

BOR: NATIONAL BASIC INTELLIGENCE FACTBOOK

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TRD:DIRECTION OF TRADE

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T+B: THE ALMANAC OF WORLD MILITARY POWER

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# COUNTRY CODES FOR THE COUNTRY THREAT FILE

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700	AFG Afghanistan	438 GUI Guinea
339	ALB Albania	441 GBI Guinea-Bissau
615	ALG Algeria	110 GUY Guyana
232	AND Andorra	041 HAI Haiti
561	ANG Angola	091 HON Honduras
160	ARG Argentina	310 HUN Hungary
900	AUL Australia	395 ICE Iceland
305	AUS Austria	750 IND India
695	BAH Bahrain	850 INS Indonesia
765		630 IRN Iran
	BGD Bangladesh	645 IRQ Iraq
053	BAR Barbados	205 IRE Ireland
211	BEL Belgium	666 IRS Israel
760	BHU Bhutan	325 ITA Italy
145	BOL Bolivia	437 IVO Ivory Coast
571	BOT Botswana	051 JAM Jamaica
140	BRA Brazil	
355	Bul Bulgaria	740 JAP Japan
775	BUR Burma	663 JOR Jordan
516	BUI Burundi	501 KEN Kenya
811	CAM Cambodia	731 KON Korea/North
471	CAO Cameroun	732 KOS Korea/South
020	CAN Canada	690 Kuw Kuwait
431	CPV Cape Verde	812 LAO Laos
482	CEN Central Africa Rep.	660 LEB Lebanon
780	CEY Sri Lanka (Ceylon)	570 LES Lesotho
483	CHA Chad	450 LBR Liberia
155	CHL Chile	620 LBY Libya
710	CHN China, Peoples Rep.	223 LIC Liechtenstein
713	CHT China, Republic of	212 LUX Luxemburg
100	COL Colombia	721 MAC Macao
495	COM Comoro Islands	580 MAG Malagasy
484	CON Congo Brazzaville	553 MAW Malawi
490	COP Zaire (Congo-Kinshasa)	820 MAL Malaysia
094	COS Costa Rica	782 MAD Maldive
040	CUB Cuba	432 MLI Mal !
352	CYP Cyprus/Greek	338 MLT Malta
	CZF Czechoslovakia	435 MAU Mauritania
315		590 MAR Mauritius
434	DAH Dahomey (Peoples Rep. of Benin)	070 MEX Mexico
390	DEN Denmark	221 MOC Monaco
042	DOM Dominican Rep.	712 MON Mongolia
130		600 MOR Morocco
092		555 FRE Frelimo-Mozambique
	GUE Equitorial Guinea	698 MOM Muscat and Oman
	ETH Ethiopia	562 NMB Namibia (former South-West Africa)
	FIJ Fiji	
375		921 NAU Nauru
220		790 NEP Nepal
481		210 NTH Netherlands
420		920 NEW New Zealand
265		093 NIC Nicaragua
	GMW Germany/Fed. Rep.	435 NIR Niger
	GHA Ghana	475 NIG Nigeria
350		385 NOR Norway
090		770 PAK Pakistan
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PAN Panama 905 PAP Papua New Guinea 150 PAR Paraguay 135 PER Peru 840 PHI Philippines 290 POL Poland 235 POR Portugal STV Principee and Sao Tomee 485 696 **QAT Qatar** 552 RHO Rhodesia 360 RUM Rumania 517 RWA Rwanda SAN San Marino 331 SAU Saudi Arabia 670 SEN Senegal 433 451 SIE Sterra Leone 830 SIN Singapore 520 SOM Somalia SAF South Africa 560 230 SPN Spain 625 SUD Sudan 105 SUR Surinam 572 SWA Swaziland 380 SWD Sweden 225 SWZ Switzerland 652 SYR Syria 510 TAZ Tanzania 800 TAI Thailand 461 TOG Togo 052 TRI Trinidad-Tobago 616 TUN Tunisia 640 TUR Turkey 500 UGA Uganda 365 USR UŠSR UAE United Arab Emirates 675 651 UAR UAR (Egypt) UNK United Kingdom 200 002 USA United States 439 UPP Upper Volta 165 URU Uruguay VEN Venezuela 101 816 VTN Vietnam/North 990 WSM Western Samoa 678 YEM Yemen 681 SYE Yemen/South

YUG Yugoslavia

ZAM Zambia

345 551

## INTERNATIONAL ORGANIZATIONS

AAPSO Afro-Asian People's Solidarity Organization

ADB Asian Development Bank

AFDB African Development Bank

ANZUS COUNCIL; treaty signed by Australia, New Zealand, and

the United States

ASEAN Association of Southeast

Asian Nations

ASPAC Asia and Pacific Council

BENELUX Belgium, Metherlands, Luxembourg Economic Union

BIS Bank for International Settlements

BLEU Belgium-Luxembourg Economic

Union

CACM Central American Common

Market

CARICOM Caribbean Commom Market

CARIFTA Caribbean Free Trade

Association

CEAO West African Economic

Community

CECLA Latin America Economic Co-ordination Commission

CEMA Council for Economic Mutual

Assistance

CENTO Central Treaty Organization

Colombo Plan Council of Europe

CERN European Organization(formerly

Council for Nuclear Research

CFTC Commonwealth Fund for Technical

Co-operation

CIPEC Intergovernmental Council of

Copper Exporting Countries

COMECON (Communist) Council for Mutual

Economic Assistance(CMEA)

DAC (OFCD Development Assistance

Committee

EAMA African States associated with

the EEC

EC European Communities (EEC,

ECSC, EURATOM)

ECA (UN) Economic Commission for

Africa

ECAFE (UN) Economic Commission for

Asia and the Far East

ECE (UN) Economic Commission for

Europe

ECLA (UN) Economic Commission for

Latin America

ECOSOC (UM) Economic and Social

Council

ECOWAS Economic Community of West

African States

ECSC European Coal and Steel

Community

EEC European Economic Community

(Common Market)

EFTA European Free Trade

Association

EIB European Investment Bank

ELDO European Space Vehicle

Launcher Development Organization

EMA European Monetary Agreement

ENTENTE Political-Economic Association

of Ivory Coast, Dahomey, Niger,

Upper Volta, and Togo

ESA European Space Agency

ESCAP Economic and Social Commission

for Asia and the Pacific

ESRO European Space Research

Organization

EURATOM European Atomic Energy

Community

FAO Food and Agriculture

**Organization** 

GATT General Agreement on Tariffs

and Trade

IADB Inter-American Defense Board

IAEA International Atomic Energy

Agency

IATA International Air Transport

Association

IBA International Bauxite Association

IBRD international Bank for

Reconstruction and Development

(Norld Bank)

ICAO International Civil Aviation

Organization

1CEM Intergovernmental Committee

for European Migration

ICFTU International Confederation

of Free Trade Unions

ICRC International Committee of the

Red Cross

IDA International Development

Association

IDB Inter-American Development

Bank

IEA International Energy Agency

IFC International Finance Corporation

Organization

IMCO Intergovernmental Maritime

Consultative Organization

IMF International Monetary Fund

INTELSAT International Telecommunications

Satellite Consort um

IRC International Red Cross

ITU International Telecommunication

Union

LAFTA Latin American Free Trade

Association

LICROSS League of Red Cross Societies

NATO North Atlantic Treaty

Organization

NEA (OECD) Nuclear Energy Agency

OAPEC Organization of Arab Petroleum

**Exporting Countries** 

OAS Organization of American States

OAU Organization of African Unity

OCAM Common African and Hauritian

Organization

OCAS Organization of Central American

States (ODECA)

OECD Organization for Economic

Co-operation and Development

OPEC Organization of Petroleum

Exporting Countries

RCD Regional Co-operation for

Development(Pakistan-Iran-Turkey)

SEABEDS (UN) Committee on the Peaceful

COMMITTEE uses of the Seabed and Ocean Floor

beyond the Limits of National

Jurisdiction

SEATO South-East Asis Treaty

Organization

SELA Latin American Economic System

SHAPE Supreme Headquarters Allied Powers

in Europe

TAB (UN) Technical Assistance Board

TDB Trade and Development Board

UDEAC Central African Customs and

Economic Union

UDEAO Customs Union of West African States

UEAC Union of Central African States

United Nations Organization

UMCTAD UN Conference on Trade and

Development

UMDOF UM Disengagement Observer Force

UNDP UN Development Program

UNEF UN Emergency Force (in Middle East)

UNESCO UN Educational, Scientific and

# Cultural Organization

UNFICYP UN Peace-Keeping Force in Cyprus

UNHCR UN High Commissioner for Refugees

UNICEF UN Children's Fund

UMIDO UN Industrial Development Organization

UNRWA UN Relief and Morks Agency for

Palestine Refugees in the Mear East

UNTSO UN Truce Supervision Organization

(in the Middle East)

UPU Universal Postal Union

WCC World Council of Churches

WEU Western European Union

WFTU World Federation of Trade Unions

VHO World Health Organization

WMMO World Meteorological Organization

WPC World Peace Council